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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

September 27, 2005

DONALD J. LEWIS, KEVIN R. CARLSTROM,
STANLEY L. BOWER, JR., and STEPHEN L. HAHN

Serial No. : 10/757,873

Group Art Unit: 3748

Filed : January 14, 2004

Examiner: Binh Tran

For : SYSTEM AND METHOD FOR DETERMINING SET POINT
LOCATION FOR OXIDANT-BASED ENGINE AIR/FUEL
CONTROL STRATEGY

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

RESPONSE TO OFFICE ACTION

These remarks are responsive to the Office Action dated June 29, 2005. Applicant would like to thank the Examiner for carefully reviewing the application. In the application claims 1-34 are pending.

First, Applicants submit herewith a terminal disclaimer to U.S. 6,453,331, and thus submit that the double patenting issue is moot.

Second, the Office action applies Tayama et al. (U.S. 6,477,833) to claims 1-15 and 25. Applicants respectfully submit that the rejection should be withdrawn for the reasons stated below. However, before discussing Tayama et al., Applicants believe some background information may be helpful. As described in the specification, the inventors herein have recognized that it is possible to not only control stored oxygen in a catalyst by controlling air-fuel ratio, but also to detect an oxygen storage capacity and then determine degradation of the

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